

U. S. Application Serial No.: 10/593,243
Second Supplemental Preliminary Amendment
Dated November 14, 2006

Amendments to the claims:

This listing will replace all prior versions and listings of claims in this application.

Listing of the Claims:

1. (ORIGINAL) A crosslinkable pressure-sensitive adhesive for skin, formed by 100 parts by weight of an acrylic copolymer (copolymer A) comprising a (meth)acrylic acid alkyl ester as the main constituent component and 3-45 wt% diacetoneacrylamide as an essential constituent component, and containing no free carboxyl groups, and 0.1-30 parts by weight of an acrylic copolymer (copolymer B) comprising a (meth)acrylic acid alkyl ester as the main constituent component and a primary amino group and/or carboxyhydrazide group on a side chain, and containing no free carboxyl groups.

2. (ORIGINAL) A crosslinkable pressure-sensitive adhesive for skin according to claim 1, characterized in that the copolymer B is an acrylic copolymer obtained by copolymerizing a (meth)acrylic acid alkyl ester as the main constituent component with a (meth)acrylic monomer having a primary amino group on a side chain.

3. (ORIGINAL) A crosslinkable pressure-sensitive adhesive for skin according to claim 1, characterized in that the copolymer B is an acrylic copolymer obtained by copolymerizing a (meth)acrylic acid alkyl ester as the main constituent component with (meth)acrylic acid, and then reacting the free carboxyl groups in the obtained copolymer with an imine,

U. S. Application Serial No.: 10/593,243
Second Supplemental Preliminary Amendment
Dated November 14, 2006

diamine and/or dicarboxylic acid dihydrazide.

4. (ORIGINAL) A crosslinkable pressure-sensitive adhesive for skin according to claim 1, characterized in that the copolymer B is an acrylic copolymer obtained by copolymerizing a (meth)acrylic acid alkyl ester as the main constituent component with diacetoneacrylamide, and then reacting the carbonyl groups in the obtained copolymer with a diamine and/or dicarboxylic acid dihydrazide.

5. (PREVIOUSLY PRESENTED) A crosslinkable pressure-sensitive adhesive sheet for skin comprising a crosslinkable pressure-sensitive adhesive for skin comprising 100 parts by weight of an acrylic copolymer (copolymer A) comprising a (meth)acrylic acid alkyl ester as the main constituent component and 3-45 wt% diacetoneacrylamide as an essential constituent component, and containing no free carboxyl groups, and 0.1-30 parts by weight of an acrylic copolymer (copolymer B) comprising a (meth)acrylic acid alkyl ester as the main constituent component and a primary amino group and/or carboxyhydrazide group on a side chain, and containing no free carboxyl groups, said crosslinkable pressure-sensitive adhesive being formed on a sheet-like support.

6. (ORIGINAL) A crosslinkable pressure-sensitive adhesive sheet for skin according to claim 5 which comprises 25-200 parts by weight of a plasticizer with respect to 100 parts by weight of copolymer A.

7. (PREVIOUSLY PRESENTED) A crosslinkable pressure-sensitive adhesive sheet according to claim 5 which comprises a medical or cosmetic transdermal component.

U. S. Application Serial No.: 10/593,243
Second Supplemental Preliminary Amendment
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8. (ORIGINAL) A composition for production of a crosslinkable pressure-sensitive adhesive for skin, obtained by dissolving in a solvent 100 parts by weight of an acrylic copolymer (copolymer A) comprising a (meth)acrylic acid alkyl ester as the main constituent component and 3-45 wt% diacetoneacrylamide as an essential constituent component, and containing no free carboxyl groups, and 0.1-30 parts by weight of an acrylic copolymer (copolymer B) comprising a (meth)acrylic acid alkyl ester as the main constituent component and a primary amino group and/or carboxyhydrazide group on a side chain, and containing no free carboxyl groups.

9. (ORIGINAL) A composition for production of a crosslinkable pressure-sensitive adhesive for skin according to claim 8, which is prepared by dissolution in a solvent containing at least 5.0 wt% acetone and/or butanone with respect to the total amount of solvent.

10. (CURRENTLY AMENDED) A process for production of a crosslinkable pressure-sensitive adhesive for skin, characterized by evaporating off the solvent by heat from a composition for production of a crosslinkable pressure-sensitive adhesive for skin comprising, obtained by dissolving in a solvent 100 parts by weight of an acrylic copolymer (copolymer A) ~~obtained by dissolving in a solvent~~ comprising a (meth)acrylic acid alkyl ester as the main constituent component and 3-45 wt% diacetoneacrylamide as an essential constituent component, and containing no free carboxyl groups, and 0.1-30 parts by weight of an acrylic copolymer (copolymer B) comprising a (meth)acrylic acid alkyl ester as the main constituent component and a primary amino group and/or carboxyhydrazide group on a side chain, and containing no free carboxyl groups.